

## Understand collisions before they happen

TrafXSAFE is the leading on-demand video-analytics platform used worldwide to proactively solve road safety issues. Granular surrogate safety metrics accessible on a dynamic web platform help transportation engineers and planners to prioritise the most high-risk sites, identify contributing crash factors, and evaluate the impacts of countermeasures without waiting for crash data.

## TrafxSAFE enables practitioners to be in control of their own road safety studies:



### 1. Upload Your Video



### 2. Calibrate Your Site



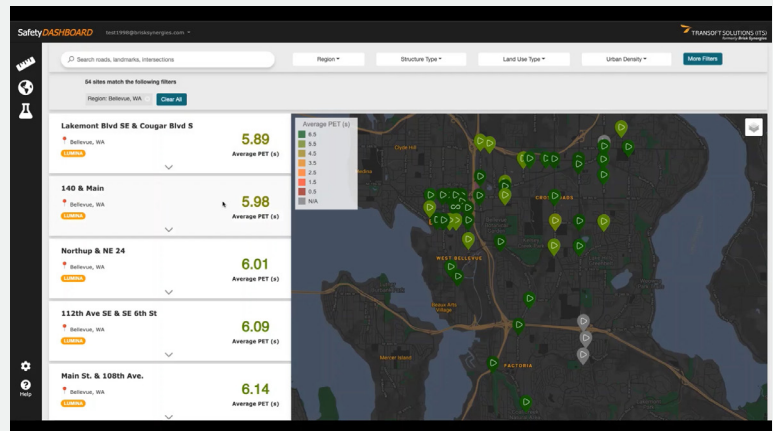
### 3. Access Your Results

TrafxSAFE is the best tool for the implementation of an efficient and proactive Road Safety Management Process, making it easy for practitioners to identify and evaluate safety concerns. This fully automated solution puts engineers in the driver's seat, empowering them to gain a deeper understanding of traffic patterns and road user behaviours associated with crash risk, which allows for faster identification and implementation of countermeasures.

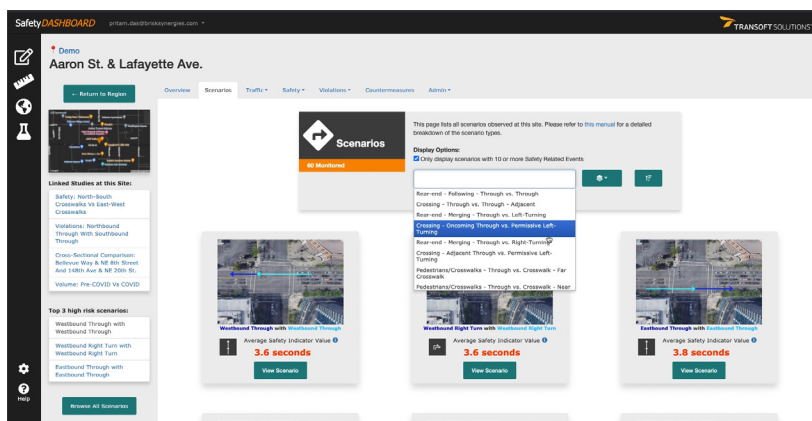
## ROAD NETWORK SCREENING

Identify your crash-prone locations across a network through easy to use features:

- Rank sites for potential safety improvements based on occurrence and rates of conflicts, over-speeding and other key measures
- Narrow down crash-prone locations analysis based on temporal traffic patterns, geometry and land use features
- Generate lists, rankings, and maps for your reports using our dynamic web dashboard

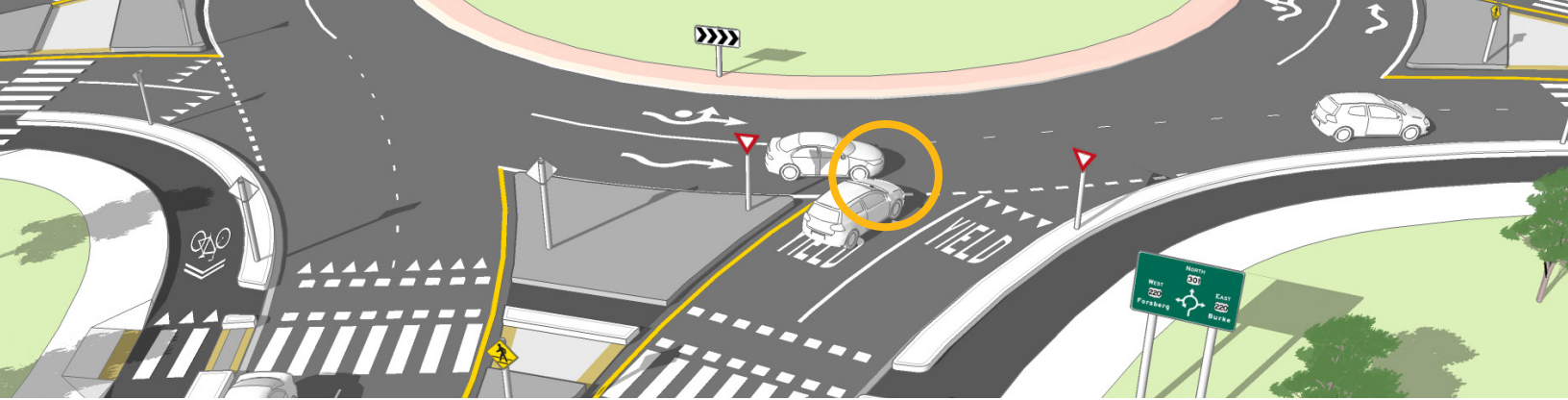


## IN-DEPTH SAFETY DIAGNOSIS



Investigate each site to determine the most serious contributing crash factors with data-driven dashboards:

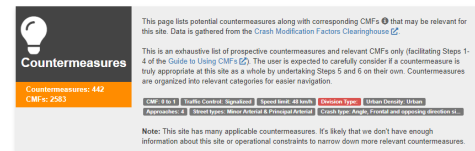
- Understand the causes contributing to each high-risk interaction using 10 second video clips
- Identify problematic movements by visualizing conflict concentrations by type, speed and traffic flow for all road users
- Gain control over your analysis with granular level metrics such as PET, TTC, speed and volume, highlighting patterns over time



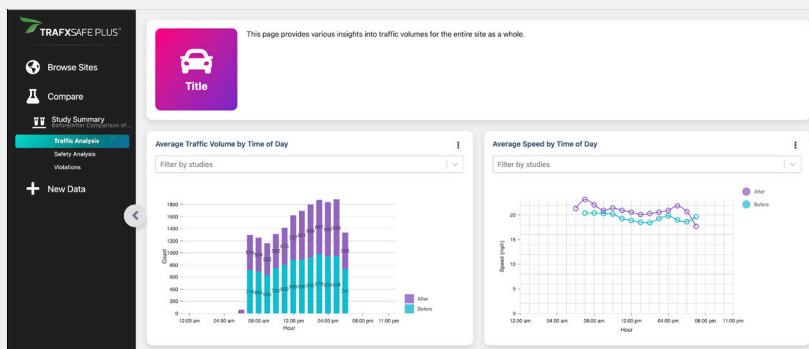
## COUNTERMEASURE SELECTION

Accelerate your countermeasure selection with our Crash Modification Factors (CMF) browsing tool:

- Easily filter through a list of possible treatments using our intelligent countermeasure selection tool
- Select from a list of CMFs which have been automatically paired down to the results of your site diagnosis
- Develop your own safety performance functions to better predict collisions



## SAFETY EFFECTIVENESS EVALUATION



Easily measure and validate the effectiveness of your road treatments using intuitive dashboards and granular CSV outputs:

- Generate your own Before & After studies to compare different study periods
- Easily compare road safety metrics and traffic flow across multiple sites
- Don't wait for crash data! Catch potential problems immediately after implementing countermeasures

**Does your project require specialized video collection,  
customized analyses, or specific reporting?**

Speak to one of our road safety experts to learn about the extra  
features we can unlock with TrafXSAFE Plus.

**Our experienced delivery team will help you every step of the way with:**

- Video collection (connected, fixed, temporary, drone, and panoramic cameras)
- Customized road user behaviour and targeted violation analysis
- Unlimited training and customer support
- Integration into alternative sources of data
- Every dangerous conflict is manually reviewed by or team of road safety experts
- Seamless tracking of road users across overlapping cameras for large area analysis
- Low visibility and night-time conditions
- Calibration and video processing



**ABOUT TRANSOFT SOLUTIONS**

**HEAD OFFICE – North America**

Since 1991, Transoft Solutions, Inc. has been committed to providing innovative software and services for civil and transportation engineering, road safety, and aviation sectors. Headquartered in British Columbia, Canada with 12 global offices, Transoft Solutions is internationally recognized as an industry leader in the development of state-of-the-art products to help users better plan, analyze, and evaluate their intricate design projects. Our products are used every day by thousands of organizations in over 150 countries worldwide. Clients include government agencies at the federal, state, county and municipal levels, as well as major international airports and top engineering and architectural design firms.



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